



(12) **United States Patent**  
**Kim**

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(54) **BATTERY HAVING AN ELECTRODE  
STRUCTURE COMPRISING LONG METAL  
FIBERS AND A PRODUCTION METHOD  
THEREFOR**

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patent is extended or adjusted under 35  
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(2013.01); **H01M 4/04** (2013.01); **H01M**  
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See application file for complete search history.

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(57) **ABSTRACT**

The present invention relates to a battery having an electrode  
structure using long metal fibers, and to a production method  
therefor. According to one embodiment of the present inven-  
tion, the battery has an electrode structure comprising: an  
electrically-conductive network which is formed by physical  
connection or chemical bonding between one or more long  
metal fibers; and a first electrically active material which is  
bound to the electrically-conductive network.

**10 Claims, 3 Drawing Sheets**

